L Number	Hits	Search Text	DB	Time stamp
1	62		USPAT;	2002/06/01 10:52
		_	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
2	1076	1 3	USPAT;	2002/06/01 10:56
1		near6 BP or BNP or BPN or	US-PGPUB;	
		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	
		"BN.sub.x.P.sub.1-x" or	IBM_TDB	
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj phosphide) near3 nitrogen)		
3	8	udagawa.in. and light-emitting and (buffer	USPAT;	2002/06/01 11:22
"		near6 (BP or BNP or BPN or	US-PGPUB;	2002/06/01 11:22
		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	i
		"BN.sub.x.P.sub.1-x" or	IBM TDB	1
		"BP.sub.1-x.N.sub.x" or ((BP or boron adj	120.7_100	1
		<pre>phosphide) near3 nitrogen)))</pre>		
4	2	terashima.in. and light-emitting and	USPAT;	2002/06/01 13:29
		(buffer near6 (BP or BNP or BPN or	US-PGPUB;	
į į		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
		"BP.sub.x.N.sub.1-x" or	DERWENT;	
		"BN.sub.x.P.sub.1-x" or	IBM TDB	
1		"BP.sub.1-x.N.sub.x" or ((BP or boron adj	_	
		<pre>phosphide) near3 nitrogen)))</pre>		
5	9	light-emitting.ti,ab. and (buffer near6	USPAT;	2002/06/01 13:35
		(BP or BN or BNP or BPN or	US-PGPUB;	
i i		"BN.sub.1-x.P.sub.x" or	EPO; JPO;	
1		"BP.sub.x.N.sub.1-x" or	DERWENT;	
}		"BN.sub.x.P.sub.1-x" or	IBM_TDB	<u> </u>
6	0	(lattice adj match\$3 or mismatch\$3) and	HCDAM.	2002/06/01 12:20
	v	(((BN or boron adj nitride) near3 buffer)	USPAT; US-PGPUB;	2002/06/01 13:39
		near10 (phosporus or P)) and (GaN or	EPO; JPO;	
		gallium adj nitride)	DERWENT;	
		, , , , , , , , , , , , , , , , , , ,	IBM TDB	1
7	0	(lattice adj match\$3 or mismatch\$3) and	USPĀT;	2002/06/01 13:39
			US-PGPUB;	
		near10 (phosporus or P))	EPO; JPO;	1
			DERWENT;	
			IBM_TDB	
8	0	(lattice adj (match\$3 or mismatch\$3)) and	USPAT;	2002/06/01 13:40
		(((BN or boron adj nitride) near6 buffer)	US-PGPUB;	İ
	:	near10 (phosporus or P))	EPO; JPO;	
	Î		DERWENT;	
9	o	(lattice adj (match\$3 or mismatch\$3)) and	<pre>IBM_TDB USPAT;</pre>	2002/06/01 13:41
-	~	(((BN or BNP or BPN or boron adj nitride)	US-PGPUB;	2002/00/01 13:41
		near6 buffer) near10 (phosporus or P))	EPO; JPO;	
	i	Table (phospotus of 1))	DERWENT;	
			IBM TDB	
10	0	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/06/01 13:42
1		and (((BN or BNP or BPN or boron adj	US-PGPUB;	
		nitride) near6 buffer) near10 (phosporus	EPO; JPO;	
	İ	or P))	DERWENT;	
1			IBM TDB	
11	672	(boron adj nitride or BN or boron adj	USPĀT;	2002/06/01 13:43
		phosphide or BP or BNP) near6 buffer	US-PGPUB;	
Ì			EPO; JPO;	•
	İ		DERWENT;	
12		/howen add mitude PN 1	IBM_TDB	0) 00/05/05
14	99	(boron adj nitride or BN or boron adj	USPAT;	2002/06/01 14:48
		phosphide or BP or BNP) near6 buffer and	US-PGPUB;	
	ĺ	(GaN or gallium nitride)	EPO; JPO;	
			DERWENT;	
			IBM_TDB	

			·	T A A A A T A A T A A A A A A A A A A A
13	54		USPAT;	2002/06/01 14:50
		buffer and (GaN or gallium nitride)	US-PGPUB;	
			EPO; JPO;	
	ì		DERWENT;	
1.4			IBM_TDB	0000/06/01 1: 50
14	16		USPAT;	2002/06/01 14:52
		buffer and (GaN or gallium nitride) and	US-PGPUB;	
		(lattice-mismatch or lattice-match\$3 or	EPO; JPO;	I
		(lattice near3 (match\$3 or mismatch\$3)))	DERWENT;	
• •	1.5	4)	IBM_TDB	0000/06/01 15 00
15	15		USPAT;	2002/06/01 15:39
	ļ	buffer and (GaN or gallium nitride) nearl2 (lattice-mismatch or lattice-match\$3 or	US-PGPUB; EPO; JPO;	
	)	(lattice near3 (match\$3 or mismatch\$3)))	DERWENT;	1
16	0		IBM_TDB	2002/06/01 15:40
1.0	"	gallium adj nitride adj phosphide and	USPAT;	2002/06/01 15:40
		light-emitting.ti,ab. and phosporus	US-PGPUB; EPO; JPO;	
			DERWENT;	1
17	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	IBM_TDB USPAT;	2002/06/01 15:42
1 /		adj nitride adj phosphide) and	US-PGPUB;	2002/06/01 13:42
		light-emitting.ti,ab. and (phosporus or P)	EPO; JPO;	
	-	light-emittering.tr, ab. and (phosporus or r)	DERWENT;	
	1		IBM TDB	}
18	0	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPĀT;	2002/06/01 15:43
10		adj nitride adj phosphide) and	US-PGPUB;	2002,00,02 20.10
		light-emitting.ti,ab. and phosporus	EPO; JPO;	1
		light childreng to the photopolas	DERWENT;	
	Ì		IBM TDB	
19	2	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPĀT;	2002/06/01 17:21
17	-	adj nitride adj phosphide) and	US-PGPUB;	1
		light-emitting.ti,ab. and phosphorus	EPO; JPO;	
		light children, city and phospholic	DERWENT;	
			IBM TDB	
20	2	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:23
	_	semiconductor.ti,ab. and group adj "III-V"	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	1
21	6	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:31
		semiconductor.ti,ab. and GaN	US-PGPUB;	ļ
			EPO; JPO;	ĺ
			DERWENT;	
			IBM_TDB	
22	8	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 17:31
	-	GaN	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	1
23	3	lamp.ti,ab. and light-emitting.ti,ab. and	USPAT;	2002/06/01 18:57
	-	GaN and mount\$3	US-PGPUB;	
			EPO; JPO;	İ
			DERWENT;	
			IBM_TDB	1
24	4	, , , , , , , , , , , , , , , , , , ,	USPAT	2002/06/01 19:01
		or ("5326424")).PN.	ļ	
47	7496	((257/79) or (257/85) or (257/86) or	USPAT;	2002/06/01 19:23
		(257/94) or (257/102) or (257/103) or	US-PGPUB;	
	1	(372/43)).CCLS.	EPO; JPO;	
			DERWENT;	-
	1		IBM TDB	J

	,		,	TOTAL TOTAL
48	3	(((257/79)  or  (257/85)  or  (257/86)  or	USPAT;	2002/06/01 19:28
		(257/94) or (257/102) or (257/103) or	US-PGPUB;	
	) i	(372/43)).CCLS.) and (gallium adj nitride	EPO; JPO;	)
	1	or gallium adj phosphide or GaN or GaP or "GaN.sub.1-x.P.sub.x" or	DERWENT; IBM TDB	{
		"GaN.sub.x.P.sub.1-x") and buffer near4	1511_155	
	]	(BN or BP or BNP or BPN or		}
		"BN.sub.x.P.1-x" or "BN.sub.1-x.P.sub.x"		}
		or boron adj nitride or boron adj		
		phosphide) and (lattice near12 (match\$3 or		
	1	mismatch\$3) or lattice-match\$3 or	{	}
		lattice-mismatch\$3)	iicham.	2002/06/01 10:51
_		("(GaNP or gallium adj nitride adj phosphide) and light-emitting.ti,ab.").PN.	USPAT; US-PGPUB;	2002/06/01 10:31
		phosphide, and light emitting.ti, ab. /.in.	EPO; JPO;	
	Ļ		DERWENT;	
	1		IBM TDB	;
-	12	(GaNP or gallium adj nitride adj	· USPAT;	1 2002/05/31 07:10
	Į.	phosphide) and light-emitting.ti,ab.	US-PGPUB;	:
			EPO; JPO;	
	)		DERWENT;	
	4	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	IBM_TDB USPAT;	2002/05/30 16:53
_	4	adj nitride adj phosphide) and	US-PGPUB;	2002/05/50 10:55
	]	light-emitting.ti,ab. and boron adj	EPO; JPO;	
	1	phosphide near3 buffer	DERWENT;	
	1 1	•	IBM_TDB	
-	4		USPAT;	2002/05/30 16:54
	1	adj nitride adj phosphide) and	US-PGPUB;	
ĺ		light-emitting.ti,ab. and (BP or boron adj	EPO; JPO;	
		phosphide) near6 buffer	DERWENT; IBM TDB	
_	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/05/30 16:58
	, '	adj nitride adj phosphide or GaN near6 P	US-PGPUB;	
		or GaN near6 phosphorus or gallium adj	EPO; JPO;	
		nitride near6 (phosphorus or P)) and	DERWENT;	
ļ		light-emitting.ti,ab. and (BP or boron adj	IBM_TDB	
İ		phosphide) near6 buffer	HODAM.	1 2002 /05 /20 17.07
_	4	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P	·USPAT; 'US-PGPUB;	2002/05/30 17:07
		or GaN near6 phosphorus or gallium adj	EPO; JPO;	
		nitride near6 (phosphorus or P)) and	DERWENT;	:
		(257/8\$5.ccls. or 257/9\$5.ccls. or	IBM TDB	
]		257/100.ccls. or 257/101.ccls. or	_	
	{	257/102.ccls. or 257/103.ccls.) and (BP or		
		boron adj phosphide) near6 buffer	HODAM	2002/05/20 17:00
-	4	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or	USPAT; US-PGPUB;	2002/05/30 17:09
	[	"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	,
		nitride adj phosphide or GaN near6 P or	DERWENT;	
	)	GaN near6 phosphorus or gallium adj	IBM TDB	
)		nitride near6 (phosphorus or P)) and	_	
ĺ		(257/8\$5.ccls. or 257/9\$5.ccls. or		
		257/100.ccls. or 257/101.ccls. or		
		257/102.ccls. or 257/103.ccls.) and (BP or boron adj phosphide) near6 buffer	ĺ	}
! !	1	Ganp or GaPN or gallium adj phosphide adj	USPAT;	2002/05/30 17:10
_	4	nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;	2002,00,00
	1	"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	
ļ	(	nitride adj phosphide or GaN near6 P or	DERWENT;	
		GaN near6 phosphorus or gallium adj	IBM_TDB	-
		nitride near6 (phosphorus or P) or GaN		1
	Ţ	near6 (P or phosphorus)) and	I !	'
		(257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or		
		257/100.ccls. of 257/101.ccls. of 257/102.ccls.) and (BP or	)	1
	ļ	boron adj phosphide) near6 buffer		
L	<del></del>	<u> </u>	<u> </u>	

-	4	(GaNP or GaPN or gallium adj phosphide adj	USPAT;	2002/05/30 17:28
		nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;	
		"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	
		nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj	DERWENT;	
			IBM_TDB	
		nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or		
		phosphorus)) and (257/8\$5.ccls. or	1	
		257/9\$5.ccls. or 257/100.ccls. or		
		257/101.ccls. or 257/102.ccls. or		1
		257/103.ccls.) and (BP or boron adj		
1	1	phosphide) near6 buffer	1	
_	342	1	USPAT;	2002/05/30 17:29
		nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;	
		"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	
		nitride adj phosphide or GaN near6 P or	DERWENT;	1
	)	GaN near6 phosphorus or gallium adj	IBM_TDB	
		nitride near6 (phosphorus or P) or		
	}	(gallium adj nitride or GaN) near6 (P or		1
		phosphorus)) and (257/8\$5.ccls. or		
		257/9\$5.ccls. or 257/100.ccls. or		1
!		257/101.ccls. or 257/102.ccls. or		
1_	275	257/103.ccls.)   (GaNP or GaPN or gallium adj phosphide adj	USPAT;	2002/05/30 17:30
1-	213	nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;	2002/03/30 17.30
	] :	"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	
	ļ	nitride adj phosphide or GaN near6 P or	DERWENT;	
	İ	GaN near6 phosphorus or gallium adj	IBM TDB	
		nitride near6 (phosphorus or P) or	-	!
		(gallium adj nitride or GaN) near6 (P or		!
		phosphorus)) and (257/8\$5.ccls. or	F	:
	1	257/9\$5.ccls. or 257/100.ccls. or	:	
		257/101.ccls. or 257/102.ccls. or	1	1
		257/103.ccls.) and buffer		0000 (05 (00 17 04
-	4	(GaNP or GaPN or gallium adj phosphide adj	USPAT;	2002/05/30 17:34
	· l	nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;	
		"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	
		nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj	DERWENT;	
		nitride near6 (phosphorus or P) or	1DM_1DB	1
		(gallium adj nitride or GaN) near6 (P or		
ļ		phosphorus)) and (257/8\$5.ccls. or	ļ	
	i	257/9\$5.ccls. or 257/100.ccls. or		
		257/101.ccls. or 257/102.ccls. or		
)		257/103.ccls.) and buffer near12 (boron	Ì	
		adj phosphide or bp)		
-	489	(257/79).CCLS.	USPAT;	2002/05/30 17:35
			US-PGPUB;	
ļ			EPO; JPO;	
			DERWENT;	
	435	(267/90) CCI S	! IBM TDB USPĀT;	2002/05/30 17:35
_	435	(257/80).CCLS.	USPAT; US-PGPUB;	- 5005100100 II.30
1			EPO; JPO;	•
	1	·	DERWENT;	,
1			IBM TDB	1
-	366	(257/81).CCLS.	USPAT;	2002/05/30 17:35
			US-PGPUB;	}
			EPO; JPO;	
1			DERWENT;	1
1			IBM_TDB	1-
-	814	(257/82).CCLS.	USPAT;	2002/05/30 17:35
1			US-PGPUB;	
	ļ		EPO; JPO;	-
			DERWENT;	]
1	100	(257/92) CCLS	IBM TDB	2002/05/20 17:25
-	106	(257/83).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:35
			EPO; JPO;	
1	]		DERWENT;	
-			IBM TDB	
I	L	!		<u> </u>

-	380	(257/84).CCLS.	USPAT;	2002/05/30 17:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	205	(257/85).CCLS.	IBM_TDB	
_	203	(257765).CCLS.	USPAT;	2002/05/30 17:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	229	(257/86).CCLS.	IBM_TDB USPAT;	2002/05/30 17:35
		(201700710020.	US-PGPUB;	2002/05/30 17:35
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	56	(257/87).CCLS.	USPĀT;	2002/05/30 17:35
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	400	(057/00) 0070	IBM_TDB	
_	488	(257/88).CCLS.	USPAT;	· 2002/05/30 17:35
			US-PGPUB;	1
			EPO; JPO;	
	ļ		DERWENT; IBM TDB	
_	175	(257/89).CCLS.	USPAT;	2002/05/30 17:35
	1,3	(2317 037 . COLD.	US-PGPUB;	2002/05/30 17:35
İ			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	83	(257/90).CCLS.	USPAT;	2002/05/30 17:36
			US-PGPUB;	2002,00,00 27100
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
<u> </u>	147	(257/91).CCLS.	USPĀT;	2002/05/30 17:36
	İ		US-PGPUB;	[
			EPO; JPO;	ļ
			DERWENT;	
_	49	(257/92).CCLS.	IBM_TDB	2002 (05 (30, 13, 36)
	""	(237) 92) .CCB3.	USPAT; US-PGPUB;	2002/05/30 17:36
			EPO; JPO;	. !
			DERWENT;	
			IBM TDB	1
-	146	(257/93).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		AREA (A.A. Sana	IBM_TDB	
-	685	(257/94).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	239	(257/95).CCLS.	IBM_TDB	2002/05/20 17 25
	239	(201790).0000.	USPAT;	2002/05/30 17:36
}			US-PGPUB; EPO; JPO;	
			DERWENT;	
	1		IBM TDB	
-	445	(257/96).CCLS.	USPAT;	2002/05/30 17:36
]		•	US-PGPUB;	= 200,00,00 1,.00
			EPO; JPO;	
			DERWENT;	
	_ [		IBM_TDB	!
-	327	(257/97).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
]	1		EPO; JPO;	
[ ]			DERWENT;	
<u> </u>			IBM_TDB	

	T			
-	1241	(257/98).CCLS.	USPAT;	2002/05/30 17:36
1	!		US-PGPUB;	
	1		EPO; JPO;	
			DERWENT;	
	1267	(057/00) 0070	IBM_TDB	2002/05/20 17:36
-	1351	(257/99).CCLS.	USPAT;	2002/05/30 17:36
}	}		US-PGPUB; EPO; JPO;	
	i		DERWENT;	!
,	ļ			1
	318	(257/100).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
[ -	310	(257/100).CCL3.	US-PGPUB;	2002/03/30 17:30
	1		EPO; JPO;	
			DERWENT;	
	1			
1_	278	(257/101).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
_	2/0	(23//101).0063.	US-PGPUB;	2002/03/30 17.30
			EPO; JPO;	
İ	ļ		DERWENT;	1
	ł		IBM TDB	
_	308	(257/102).CCLS.	USPAT;	2002/05/30 17:36
	300	(231/102/.0040.	US-PGPUB;	2002,03,30 1.130
	ļ		EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	967	(257/103).CCLS.	USPAT;	2002/05/30 17:37
			US-PGPUB;	
	]		EPO; JPO;	
			DERWENT;	
			IBM TDB	
	0	("L13 or L14 or L15 or L16 or L17 or L18	USPAT;	2002/05/30 17:38
1	1	or L19 Or L20 or L21 or L22 or L23 or L24	US-PGPUB;	ļ
1		or L25 or L26 or L27 or L28 or L29 or L30	EPO; JPO;	:
		or L31 or L32 or L33 or L34 or L35 or L36	DERWENT:	i
		or L37").PN.	IBM_TDB	1
-	6890	((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:40
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
	ļ	((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	İ
]	ļ	((257/89).CCLS.) or ((257/90).CCLS.) or		
Ì		((257/91).CCLS.) or ((257/92).CCLS.) or		
	]	((257/93).CCLS.) or ((257/94).CCLS.) or	]	
		((257/95).CCLS.) or ((257/96).CCLS.) or		Į l
		((257/97).CCLS.) or ((257/98).CCLS.) or ((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or		
		((257/101).ccls.) of ((257/102).ccls.) of		
_	0	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:41
	l I	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
}		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM TDB	!
Ţ	į	((257/89).CCLS.) or ((257/90).CCLS.) or	į –	
1		((257/91).CCLS.) or ((257/92).CCLS.) or	į	1
		((257/93).CCLS.) or ((257/94).CCLS.) or	1	!
		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or		
	}	((257/103).CCLS.)) and ganp.ti,ab.	1	}

-	13	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:43
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	i,
		((257/83).CCLS.) or ((257/84).CCLS.) or ((257/85).CCLS.) or ((257/86).CCLS.) or	EPO; JPO;	
1		((257/87).CCLS.) or ((257/88).CCLS.) or	DERWENT;	
		((257/89).CCLS.) or ((257/90).CCLS.) or	100	1
Ì		((257/91).CCLS.) or ((257/92).CCLS.) or		)
		((257/93).CCLS.) or ((257/94).CCLS.) or	1	ļ ļ
		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or		
(	į	((257/101).CCLS.) or ((257/102).CCLS.) or		ļ
		((257/103).CCLS.)) and (ganp or (gan or		
	2	gallium adj nitride) near12 phosphorus) (((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:44
1	į	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	2002/03/30 17.44
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
1	1	((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	Ì
		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
]	,	((257/89).CCLS.) or ((257/90).CCLS.) or	_	1
1		((257/91).CCLS.) or ((257/92).CCLS.) or	į	1
}	{	((257/93).CCLS.) or ((257/94).CCLS.) or	4	
		((257/95).CCLS.) or ((257/96).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or		
	Ì	((257/99).CCLS.) or ((257/100).CCLS.) or		
}		((257/101).CCLS.) or ((257/102).CCLS.) or	Į Į	
		((257/103).CCLS.)) and buffer near12 (bp		
1		or boron adj phosphide) and (ganp or (gan	)	
	ļ	or gallium adj nitride) near12 phosphorus)		
-	13	(((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:47
	ĺ	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
1		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO; DERWENT;	
	Į	((257/85).CCLS.) or ((257/86).CCLS.) or ((257/87).CCLS.) or ((257/88).CCLS.) or	IBM TDB	
		((257/89).CCLS.) or ((257/90).CCLS.) or	1011_100	
		((257/91).CCLS.) or ((257/92).CCLS.) or		}
ļ		((257/93).CCLS.) or ((257/94).CCLS.) or		
		((257/95).CCLS.) or ((257/96).CCLS.) or		
1	1	((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or		
1		((257/101).CCLS.) or ((257/102).CCLS.) or		
)		((257/103).CCLS.)) and (ganp or (gan or gallium adj nitride) near12 phosphorus)		
\ _	4	l Tourism and Tourism of the second section is a second section of the second section of the second section is	USPAT;	2002/05/30 17:53
1	•	((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
)		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	1
		((257/85).CCLS.) or ((257/86).CCLS.) or	DERWENT;	
İ		((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	
	ļ	((257/89).CCLS.) or ((257/90).CCLS.) or	}	
†	}	((257/91).CCLS.) or ((257/92).CCLS.) or ((257/93).CCLS.) or ((257/94).CCLS.) or	}	
t		((257/95).CCLS.) or ((257/96).CCLS.) or		
		((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or		
		((257/103).CCLS.)) and (gan or gallium adj		
	İ	nitride) and ((bp or boron adj phosphide)		
		near12 buffer)	Henam.	2002/05/30 17:54
-	0	jp-410242514\$-\$.did.	USPAT; US-PGPUB;	2002/03/30 17:54
Ì	Ì		EPO; JPO;	-
			DERWENT;	
			IBM_TDB	
-	2	jp-10242514\$-\$.did.	USPAT;	2002/05/30 17:56
			US-PGPUB;	
			EPO; JPO;	
	1		DERWENT; IBM TDB	·
L			TIDE I DD	l.,

-	2	jp-10242567\$-\$.did.	USPAT;	2002/05/30 17:59
			US-PGPUB;	
	}		EPO; JPO;	
			DERWENT;	İ
			IBM TDB	
<b> </b> -	2	jp-10242569\$-\$.did.	USPAT;	2002/05/30 18:09
			US-PGPUB;	
)	1		EPO; JPO;	1
			DERWENT;	
	}		IBM TDB	(
_	2	6316793.pn.	USPAT:	2002/05/30 18:10
	_	0310733.pm.	US-PGPUB;	2002/03/90 10.10
ļ			EPO; JPO;	
			DERWENT;	
			· ·	1
	_	5051000	IBM TDB	2000/05/20 10 11
-	2	6064082.pn.	USPAT;	2002/05/30 18:11
			US-PGPUB;	
			EPO; JPO;	
]			DERWENT;	}
			IBM_TDB	
-	2	5929467.pn.	USPĀT;	2002/05/30 18:11
			US-PGPUB;	
			EPO; JPO;	ļ
			DERWENT;	
			IBM TDB	
] _	2	jp-10066769\$-\$.did.	USPAT;	2002/05/30 20:04
	_	JP 20000.034 4.020.	US-PGPUB;	
			EPO; JPO;	1
1			DERWENT;	
ļ			IBM TDB	
	_	4100007000 0 did		2002/05/20 20:05
<sup>-</sup>	0	jp-410066769\$-\$.did.	JPO	2002/05/30 20:05
-	1	jp-10066769\$-\$.did.	JPO	2002/05/30 20:06
-	1	jp-11036830\$-\$.did.	JPO	2002/05/30 20:06
-	0	jp-411036830\$-\$.did.	JPO	2002/05/30 20:06
-	0	terashima.in. and buffer	JPO	2002/05/30 20:13
	1	light-emitting.ti,ab. and ((bp or boron	JPO	2002/05/30 20:14
		adj phosphide) near10 buffer) and gallium	-	
		adj nitride.ti,ab.	l	i
-	1	light-emitting.ti,ab. and ((bp or boron	JPO .	2002/05/30 20:14
		adj phosphide) near10 buffer) and gallium		
		adj nitride		
	3		JPO	2002/05/30 20:15
		emitting).ti,ab. and ((bp or boron adj		
		phosphide) near10 buffer) and gallium adj		i i
	İ	nitride		]
) <u> </u>	4	(GaNP or gallium adj nitride adj phosphide	USPAT;	2002/05/31 07:13
ĺ	4	or AlGanP or aluminum adj gallium adj	US-PGPUB;	2002,03,31 07.13
ļ				{
i		nitride adj phosphide or	EPO; JPO;	]
		"GaN.sub.lix.P.subx") and	DERWENT;	į
		light-emitting.tí,ab. and buffer near10	IBM_TDB	]
[		(bp or boron adj phosphide)	HOD2.	2002/05/21 07:15
- }	4	(GaNP or gallium adj nitride adj phosphide	USPAT;	2002/05/31 07:15
		or AlGaNP or aluminum adj gallium adj	US-PGPUB;	
ļ l		nitride adj phosphide or	EPO; JPO;	1
		"GaN.sub.1-x.P.sub.x") and	DERWENT;	
		light-emitting.ti,ab. and (bp or boron adj	IBM_TDB	1
)		phosphide)	-	}
-	8	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 07:19
		aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	·
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
İ		and (bp or boron adj phosphide)	DERWENT;	; -
		The transfer of the transfer o	IBM TDB	
				i i
_	7	((GaN or gallium adi nitride or AlGaN or		2002/05/31 07:58
-	7	,,	USPAT;	2002/05/31 07:58
_	7	aluminum adj gallium adj nitride) near6 (P	USPAT; US-PGPUB;	2002/05/31 07:58
-	7	aluminum adj gallium adj nitride) near6 (P or phosphide)) and light-emitting.ti,ab.	USPĀT; US-PGPUB; EPO; JPO;	2002/05/31 07:58
-	7	aluminum adj gallium adj nitride) near6 (P	USPAT; US-PGPUB;	2002/05/31 07:58

or phosphide)) and light-emitting.ti,ab. and ((bp or boron ad) phosphide) to permeate adj crystal) neaf substrate; adj phosphide) nearl0 buffer) and ((mono-crystal or single adj crystal) near6 substrate) adj phosphide) nearl0 buffer) and ((mono-crystal or single adj crystal) near6 substrate)	-	4	((GaN or gallium adj nitride or AlGaN or		2002/05/31	08:01
and ((t)p or boron adj phosphide) near10 buffer) and ((mono-crystal or single adj crystal) near6 substrate)  8 light-emitting.ti,ab. and ((bp or boron adj phosphide) near10 buffer) and (mono-crystal or single adj crystal) near6 substrate)  1325 light-emitting.ti,ab. and ((mono-crystal USPAT; IBM TDB USPAT; Or single adj crystal) near6 substrate)  14 light-emitting.ti,ab. and ((mono-crystal USPAT; USP-GFUB; EPO; JPO; DEXMENT) IBM TDB USPAT; Or single adj crystal) adj substrate)  14 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate) USPAT; USP-GFUB; EPO; JPO; DEXMENT, IBM TDB USPAT; Or single adj crystal) adj substrate) USPAT; USP-GFUB; EPO; JPO; DEXMENT, IBM TDB USPAT; USP-GFUB; EPO; JPO; DEXMENT, IBM TDB USPAT; USP-GFUB; EPO; JPO; DEXMENT, IBM TDB USPAT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB; EPO; JPO; DEXMENT; USP-GFUB;					•	
buffer) and ((mono-crystal or single adj crystal) nearf substrate)  1 light-emitting.ti,ab. and ((bp or boron adj phosphorus) nearf substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) nearf substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) nearf substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) nearf substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous or single adj layer near3 amorphous or single adj layer near3 amorphous  1 light-emitting.ti,ab. and ((mono-crystal or single adj layer near3 amorphous or						
Crystal   near6 substrate					•	
Solight-emitting.ti,ab. and ((bp or boron adj phosphoide) near(b buffer) and ((mono-crystal or single adj crystal) near6 substrate)   SPEPUB; EPO; JPO; DRRWENT; IBM TDB   SPOPUB; EPO; JPO; DRRWE				1511_155	! !	
adj phosphide) near10 buffer) and ((mono-crystal) near6 substrate)   EPO; JPO; DERMENT; ISM TDB   LOOZ/05/31 08: DERMENT; ISM TDB   LOOZ/05/31 10: DERMENT; ISM TDB   LOOZ/05/31 10: DERMENT; ISM TDB   LOOZ/05/31 10: DERMENT; ISM TDB   LOOZ/05/31 10: DERMENT; ISM TDB   LOOZ/05/31 10: DERMENT; ISM TDB   LOOZ/05/31 10: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; ISM TDB   LOOZ/05/31 11: DERMENT; LOOZ/05/31 12: DERME	-	8		USPAT;	2002/05/31	08:01
((mono-crystal) or single adj crystal) near6 substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) near6 substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) or single adj crystal) adj substrate) light-emitting.ti,ab. and ((mono-crystal) ligh			adj phosphide) near10 buffer) and			
Samorphous adj buffer adj layer and (single adj crystal) adj buffer adj layer near3 amorphous   Samorphous adj buffer adj layer adj crystal) adj buffer adj layer adj crystal) adj buffer adj layer adj crystal) adj buffer adj layer and (single adj crystal) adj buffer adj layer and (single adj crystal) adj buffer adj layer and (single adj crystal) adj buffer adj layer and (single adj crystal) adj buffer adj buffer adj layer and (single adj crystal) adj buffer adj buffer adj layer and (single adj crystal) adj buffer adj buffer adj layer and (single adj crystal) adj buffer adj bu				EPO; JPO;		
325   light-emitting.ti,ab. and ((mono-crystal or single adj crystal) near6 substrate)			near6 substrate)		1	
Or single adj crystal) near6 substrate  US-PGPUB; EPO; JPO; DERWENT; IEM TOB US-PAT; Or single adj crystal) adj substrate  US-PGPUB; EPO; JPO; DERWENT; IEM TOB US-PAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-P						
BEO, JPO;   DERWENT;   DERWENT;   DERWENT;   DERWENT;   DERWENT;   DERWENT;   DERMENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;   DERWENT;   DEPO;		325		1	2002/05/31	08:15
DERWENT;   DERWENT;			of single adj crystal, heare substrate,			
184   light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)   USPAT;   USPGPUB;   EPO; JPO;   DERNEMT;   IBM TOB USPAT;   USPAT;						
184   light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate)   USPĀT; US-PGPUB, EPC; JPO; DERWENT; ISM TOB USPĀT; US-PGPUB, EPC; JPO; DPO; DERWENT; ISM TOB USPĀT ISM TOB USPĀT ISM TOB USPĀT ISM TOB USPĀT ISM TOB USPĀT ISM TOB USPĀT ISM TOB USPĀT ISM TOB				l .	1	
The content of the	-	184	light-emitting.ti,ab. and ((mono-crystal		2002/05/31	08:16
- 14 light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate) and (USPĀT; US-PGPUB; EFO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EFO;			or single adj crystal) adj substrate)	t ·		
14   light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate) and (SPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; US-PGPUB; USPAT; USPAC; USPAT; USPAC; USPAT; USPAC; US					<b>\</b>	
14   light-emitting.ti,ab. and ((mono-crystal or single adj crystal) adj substrate) and (SPAT;   2002/05/31 08:   08:				f		
or single adj crystal) adj substrate) and GaN.ti,ab.  GaN.ti,ab.  DERMENT;	_	14	light-emitting.ti.ab. and ((mono-crystal		2002/05/31	08:17
Gan.ti,ab.  Gan.ti,ab.  Gan.ti,ab.  BEPC; JPC; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPC; JPO; DERWENT; EPC; JPO; DERWENT; EPC; JPO; DERWENT; EPC; JPO; DERWENT; EPC; JPO; DERWENT;					1	,
buffer adj layer near3 amorphous    IBM_TDB						
- 351 buffer adj layer near3 amorphous    SPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; TBM_TDB USPAT; US-PGPUB; Neterojunction or Netero-junction) and (double adj US-PGPUB; Neterojunction or Netero-junction) and (double adj (heterojunction or Netero-junction) and (double adj (heterojunction or Netero-junction)) and (double adj (heterojunction or Netero-junction)) and (double adj (heterojunction or Netero-junction)) and (double adj (heterojunction or Netero-junction)) and (double adj (heterojunction or Netero-junction)) and (double adj (DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT;						
US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; heterojunction or detero-junction and deterojunction or detero-junction and deterojunction or deterojunction deter		251			1 2002 /25 /25	00.45
Comparison of the property o	-	351	buller adj layer nears amorphous		2002/05/31	UØ:43
- 4 (bp or boron adj phosphorus) near6 buffer adj layer near3 amorphous  - 38 amorphous adj buffer adj layer  - 3 amorphous adj buffer adj layer and (single adj crystal or single-crystal) adj buffer adj buffer adj layer  - 4 single adj (heterojunction or hetero-junction) and (single adj crystal) adj buffer adj layer  - 5 (single adj (heterojunction or hetero-junction) and (double adj (heterojunction) and (double adj (heterojunction) and (double adj (heterojunction))						
description   description						
adj layer near3 amorphous  US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT;				_		
amorphous adj buffer adj layer  amorphous adj buffer adj layer  amorphous adj buffer adj layer and (single adj crystal or single-crystal) adj buffer adj layer  adj layer  adj layer  2002/05/31 10: USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; heterojunction or hetero-junction) and EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;	-	4			2002/05/31	08:44
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT; DERWENT;			adj layer near3 amorphous			
amorphous adj buffer adj layer  amorphous adj buffer adj layer  amorphous adj buffer adj layer and (single berwent; lam TDB uspat; ladj crystal or single-crystal) adj buffer adj layer  adj crystal or single-crystal) adj buffer adj layer  adj layer  adj layer  bero; JPO; DERWENT; lsm TDB uspat; lsm_TDB usp					1	
amorphous adj buffer adj layer  USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; adj crystal or single-crystal) adj buffer adj layer   4 single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and (double adj (S57/\$6.ccls.  58 (single adj (heterojunction or hetero-junction)) and (double adj (Spēt) (heterojunction or hetero-junction) and (double adj (Spēt) (Sp			İ		[	
US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; adj crystal or single-crystal) adj buffer adj layer and (single adj crystal or single-crystal) adj buffer adj layer  64 single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and (because of hetero-junction) and (double adj heterojunction) and	_	38	amorphous adi buffer adi laver		2002/05/31	10:42
amorphous adj buffer adj layer and (single adj crystal or single-crystal) adj buffer adj layer   adj crystal or single-crystal) adj buffer adj layer   64 single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and (double adj layer)  65 (single adj (heterojunction or hetero-junction) and (double adj layer)  66 (single adj (heterojunction or hetero-junction) and (double adj layer)  67 (single adj (heterojunction or hetero-junction)) and (double adj layer)  68 (single adj (heterojunction or hetero-junction)) and (double adj layer)  69 (single adj (heterojunction or hetero-junction)) and layer  60 (single adj (heterojunction or hetero-junction)) and layer  60 (single adj (heterojunction or hetero-junction)) and layer  61 (single adj (heterojunction or hetero-junction)) and layer  62 (single adj (heterojunction or hetero-junction)) and layer  63 (single adj (heterojunction or hetero-junction)) and layer  64 (single adj (heterojunction or hetero-junction)) and layer  65 (single adj (heterojunction or hetero-junction)) and layer  66 (single adj (heterojunction or hetero-junction)) and layer  67 (single adj (heterojunction or hetero-junction)) and layer  68 (single adj (heterojunction or hetero-junction)) and layer  69 (single adj (heterojunction or hetero-junction)) and layer			amorphical day barror day barror			
amorphous adj buffer adj layer and (single adj crystal or single-crystal) adj buffer adj layer  adj crystal or single-crystal) adj buffer adj layer  EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; Laterojunction or laterojunction and laterojunction or laterojunction and laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction or laterojunction) and laterojunction or laterojunction or laterojunction or laterojunction) and laterojunction or laterojunction) and laterojunction or laterojunction) and laterojunction or laterojunction) laterojunction or laterojunction) laterojunction or laterojunction) laterojunction or laterojunction) laterojunction or laterojunction) laterojunction or laterojunction laterojuncti					}	
adj crystal or single-crystal) adj buffer adj layer and (single adj crystal or single-crystal) adj buffer adj layer  adj layer  64 single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction) and EPO; JPO; DERWENT;						
adj crystal or single-crystal) adj buffer adj layer  - 64 single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and (between the continuous con		1 2	amorphous adi buffor adi layor and (single		2002/05/31	11.23
adj layer  EPO; JPO; DERWENT; IBM_TDB  single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and EPO; JPO; 257/\$6.ccls.  DERWENT; IBM_TDB  EPO; JPO; DERWENT; IBM_TDB  US-PGPUB; DERWENT; IBM_TDB  (single adj (heterojunction or hetero-junction)) and (double adj (heterojunction)) and (double adj (heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls.  DERWENT;	-	١			2002/03/31	11,23
DERWENT; IBM_TDB USPAT; USPAT; US-PGPUB; heterojunction or hetero-junction) and EPO; JPO; 257/\$6.ccls.    Single adj (heterojunction) and EPO; JPO; heterojunction) and (double adj heterojunction) and (double adj heterojunction) and (double adj heterojunction or hetero-junction)) and EPO; JPO; heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls.    DERWENT;					1	
- 64 single adj (heterojunction or hetero-junction) and (double adj heterojunction or hetero-junction) and 257/\$6.ccls.  - 58 (single adj (heterojunction or hetero-junction)) and (double adj heterojunction)) and (double adj heterojunction)) and (double adj heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls.    2002/05/31 11: US-PGPUB;   DERWENT;   DE				DERWENT;		
hetero-junction) and (double adj heterojunction or hetero-junction) and EPO; JPO; 257/\$6.ccls.    -   58 (single adj (heterojunction or hetero-junction)) and (double adj hetero-junction)) and (double adj heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls.		ļ			1	
heterojunction or hetero-junction) and EPO; JPO; 257/\$6.ccls.    DERWENT; IBM_TDB   USPAT;   2002/05/31 12: hetero-junction) and (double adj (heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls.	-	64			2002/05/31	11:26
257/\$6.ccls.  DERWENT; IBM_TDB USPAT; hetero-junction) and (double adj (heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls.  DERWENT;  DERWENT;  DERWENT;						
- 58 (single adj (heterojunction or hetero-junction)) and (double adj heterojunction) and (heterojunction)) and (heterojunction) and EPO; JPO; DERWENT;					1	
- 58 (single adj (heterojunction or hetero-junction)) and (double adj (heterojunction)) and (betain the control of hetero-junction)) and (betain the control		)		1		
(heterojunction or hetero-junction)) and EPO; JPO; 257/\$6.ccls. DERWENT;	-	58		USPAT;	2002/05/31	12:36
257/\$6.ccls. DERWENT;		]			[	
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- 2 ("6150672").PN. USPĀT; 2002/05/31 11:	_		("6150672").PN.		2002/05/31	11:47
US-PGPUB;		[	, ,			
EPO; JPO;		1		EPO; JPO;	1	
DERWENT;		{				
IBM_TDB   USPAT; 2002/05/31 13:	_		lainale adi (heteveinnation ex		2002/05/21	13.07
- 4 (single adj (heterojunction or USPAT; 2002/05/31 13: hetero-junction)).ti,ab. and (double adj US-PGPUB;	_	4			2002/03/31	13.07
(heterojunction or hetero-junction)) and EPO; JPO;		}			-	
257/\$6.ccls. DERWENT;				DERWENT;	Į.	
IBM TDB			(11.61.5.0.67.011)		2002/05/25	
- 2 ("6150672").PN. USPAT; 2002/05/31 13:	-	2	("6150672").PN.		2002/05/31	15:41
, I IIX DIL DIL DI		1 1		US-PGPUB;	1	
		1		EPO: TPO:		
EPO; JPO; DERWENT;						

-	1	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 15:47
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride)	DERWENT;	
			IBM_TDB	
-	1	<pre>(lattice near6 (match\$3 or mismatch\$3))</pre>	USPAT;	2002/05/31 13:44
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or AlGaN or aluminum	DERWENT;	
		adj gallium adj nitride)	IBM TDB	
_	29	((boron adj phosphide or bp) near12	USPĀT;	2002/05/31 14:11
_	2	buffer) near12 (N or nitrogen)	US-PGPUB;	
		bullet, heartz (w or hicrogen,	EPO; JPO;	!
			DERWENT;	
			IBM TDB	
		12 11 cm of (match 02 an migmatch 02)	· USPAT;	2002/05/31 15:59
-	1	(lattice near6 (match\$3 or mismatch\$3))		2002/03/31 13:33
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM_TDB	
_	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:16
	-	lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	
		near12 (boron adj phosphide or BP or BPN	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	DERWENT;	
	1	gallium adj nitride or gallium adj nitride	IBM TDB	
		adj phosphide or GaNP)		1
	, ,	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:33
-	1	(lattice nearb (match\$5 or mismatch\$5) or	US-PGPUB;	2002/03/31 10:33
		lattice-match\$3 or lattice-mismatch\$3)		
		near12 (boron adj phosphide or BP or BPN	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x" or BNP or	DERWENT;	
		"BN.sub.1-x.P.sub.x") near12 (GaN or	IBM_TDB	
		gallium adj nitride or gallium adj nitride		
		adj phosphide or GaNP)		
_	66	(boron adj phosphide or BP or BPN or	USPAT;	2002/05/31 17:58
		"BP.sub.1-x.N.sub.x" or BNP or	US-PGPUB;	l
		"BN.sub.1-x.P.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM TDB	
_	0	"10-066769"	JPO_	1 2002/05/31 17:59
_		jp-10066769\$-\$.did.	JPO	2002/05/31 18:00
_	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:01
-		jp-410180921\$-\$.did.	JPO	2002/05/31 18:01
_	0	terashima.in. and semiconductor	JPO	2002/05/31 18:12
_			JPO	2002/05/31 18:14
-	2	terashima.in. and "1998"	JPO	2002/05/31 18:15
_	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:16
-	1	jp-10180921\$-\$.did.		2002/05/31 18:17
-	1	jp-10193125\$-\$.did.	JPO	
-	1	jp-10232279\$-\$.did.	JPO	2002/05/31 18:17
-	1	jp-11036830\$-\$.did.	JPO	2002/05/31 18:18
_	2301	udagawa.in.	JPO	2002/05/31 18:18
_	35	udagawa.in. and light-emitting	JPO	2002/05/31 18:18
_	3	udagawa.in. and light-emitting and (BP or	JPO	2002/05/31 18:22
		boron adi phosphide)		
_	0	terashima.in. and light-emitting and (BP	JPO	2002/05/31 18:23
		or boron adj phosphide)		
_	0	nishimura.in. and light-emitting and (BP	JPO	2002/05/31 18:23
		or boron adj phosphide)		
	_	tsuzaki.in. and light-emitting and (BP or	JPO	2002/05/31 18:23
-	0	LSuzaki.in. and light-emitting and (be of	1 310	1 2002,00,02 20.20
	1	boron adj phosphide)	DERWENT	2002/05/31 18:25
l <b>–</b>	11550	boron adj phosphide or bp	DERWENT	2002/05/31 18:25
			DECK IN PUNCT	7 UUZ 1 UU 1 U 1 U 1 U 1 U 1 U 1 U 1 U 1
-	245	(boron adj phosphide or bp) and buffer		
<del>-</del>	245 15	1		2002/05/31 18:25